

Practical

1. Create a table Employee with the following data and the following constraints on column of Employee table.

a) To make the empno as primary key of the table and

b) To ensure that the First_name column does not contain NULL values and

c) To put the current date as default date in Start_ date column in case data is not supplied for the column.

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Emp_No          VARCHAR2 (4 BYTE)          NOT NULL,
First_Name      VARCHAR2 (10 BYTE),
Last_Name       VARCHAR2 (10 BYTE),
Start_Date      DATE,
End_Date        DATE,
Salary          Number (8, 2),
City            VARCHAR2 (10 BYTE),
Description     VARCHAR2 (15 BYTE)
    
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EMP_NO	FIRST_NAME	LAST_NAME	START_DATE	END_DATE	SALARY	CITY	JOB	Depno
01	Jason	Martin	25-JUL-96	25-JUL-06	1234.56	Toronto	Programmer	10
02	Alison	Mathews	21-MAR-76	21-FEB-86	2234.78	Vancouver	Tester	15
03	James	Smith	12-DEC-78	15-MAR-90	2324.78	Vancouver	Tester	20
04	Celia	Rice	24-OCT-82	21-APR-99	3334.78	Vancouver	Manager	30
05	Robert	Black	15-JAN-84	08-AUG-98	4334.78	Vancouver	Tester	20
06	Linda	Green	30-JUL-87	04-JAN-96	5334.78	New York	Tester	10
07	David	Larry	31-DEC-90	12-FEB-98	6334.78	New York	Manager	15
08	James	Cat	17-SEP-96	15-APR-02	7334.78	Vancouver	Tester	22

2. Create a table Department with the following data and the following constraints on column of Employee table.

a) To make deptno as primary key.

b) To ensure dname,loc columns does not contain NULL values

c) Also enforce REFERENTIAL INTEGRITY, declare deptno field of dept table as primary key and deptno field of emp table as foreign key.

DEPNO	DNAME	DLocation
10	Clerk	Ahmedabad
15	Salesman	Vadodara
20	Analyst	Surat
30	Electrical	Ahmedabad
14	Civil	Valsad
22	Mechanical	Vapi
28	Information Technology	Vapi
27	Chemical	Surat

QUERIES

1. Modify the above table to add two more columns manager and commission to the Employee table.
2. Retrieve all rows of employee table.
3. Give list of emp name & their job spec who are working in dept no 20.
4. Retrieve the details of emp working in dept no 30.
5. Find list of emp whose empno is greater then empno 5.
6. Find all managers not in dept no 10.
7. To find the total number of employees.
8. List all emp name and their job of those depts. That is located at Surat
9. Display everyone in dept no 20 who is neither a clerk, salesman nor analyst.
10. List all emp names, their jobs, salary in ascending order by their jobs.
11. Obtain list of all empno and names who are manager.
12. To find the sum paid as salary to all employees every month.
13. +9*Display all emp names and sal where sal is min.
14. To find the minimum salary of managers in various depts.
15. Find list of emp whose sal is greater then 2000 along with their job spec?
16. Give list of all emp along with their monthly income?
17. List all empname who are ordered by the jobs within each job there should be Descending order by empno ?
18. Retrieve details of emp whose sal is between 1000 and 2000 both inclusive?
19. To find the average salary of all the employees.
20. To find the minimum salary of managers in various depts.
21. Find the no of employees and job group by deptno?
22. List all emp names and their salaries who are working in dept no 10?
23. Give details of all dept and their no's while changing the column name as department and department no?
24. To find the minimum salary paid to any employee
25. To list the employee who heads the list alphabetically.
26. List all emp name, dept names and location whose deptno is common in both dept table and emp table?
27. List all jobs in dept 10 and 20 or in both?
28. To select all employees along with their annual salary sorted on the basis of annual salary.
29. To find the minimum salary of managers in various depts.
30. List all managers with their respective name and deptno ?
31. Display list of emp whose job is analyst?
32. To get all employees from dept 10 and 20.
33. To list all employees whose name begins with 'J'?
34. Retrieve all details of employees whose name is either smith, blake, allen, scott, clark and King?
35. To list all employees whose salary is greater than or equal to 2000.
36. To list employees whose name begins with 'J' and has 'N' as the third character?
37. To find out average minimum and maximum salary of each dept.
38. Create view on emp to display sum of salary grouped according to deptno?
39. Drop the above view.
40. To select all employees along with their annual salary sorted on the basis of annual salary.
41. To see all details of depts. Who have employees working in it
42. To list the minimum salary to various categories of employees.
43. To list employees working in dept no 10 or 20.
44. To list employees hired after 01-jan-81 and working in dept no. 10
45. To select all employees along with their annual salary sorted on the basis of annual salary.

46. To list employees working in dept other than 10.
47. To list all employees in the ascending order by name.
48. To select all employees sorted dept wise in ascending order and within dept salary wise in descending order.
49. Delete all rows from employee table then Drop the emp table.
50. Update the record of employee no 1. Increase the salary by Rs. 1000.